

# AXR® 7+

SUPER PREMIUM - RESIN  
FOR FLAT HEAD

■ EXCELLENT PRINTING QUALITY, SENSITIVITY AND RECEPTOR MULTI-COMPATIBILITY

■ EXCELLENT RESISTANCE TO SMUDGE AND SCRATCH

■ GOOD RESISTANCE TO HIGH TEMPERATURE

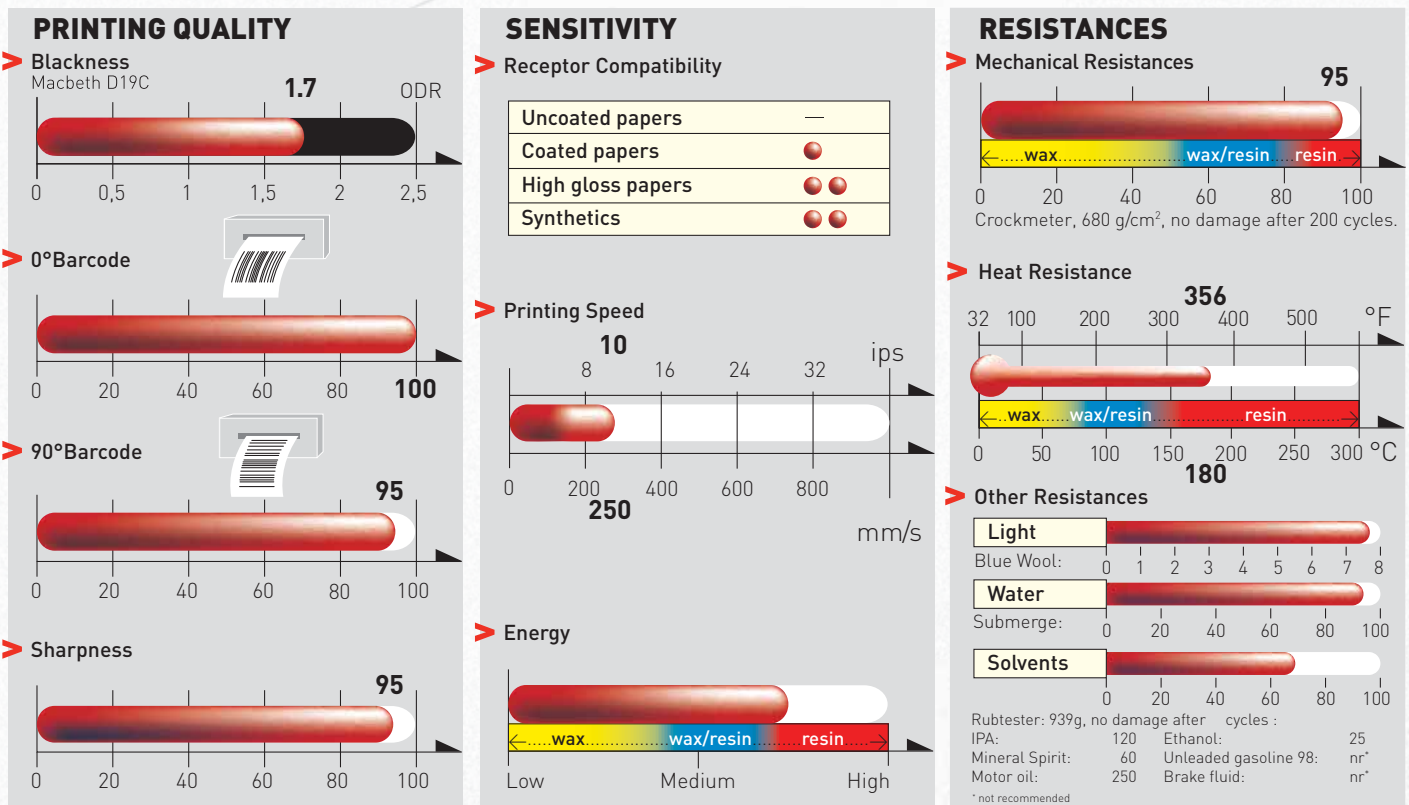


AXR® 7+ is dedicated to applications requiring a perfect printing quality and excellent mechanical resistances. The ink provides excellent printing quality of all types of barcodes, very small text, large characters and logos, at a blackness above 1.7 (ODR).

The ribbon structure allows printing on many kinds of synthetics (PVC, PET, PE, PP), on various matt and high gloss coated papers and even on some uncoated papers. The printed image offers an excellent smudge and scratch resistance and good heat resistance, up to 180°C.

Those characteristics remain at speeds up to 250 mm/s (10 ips) and with 200, 300 and 600 DPI printheads, making this ribbon perfectly suited to the labelling market, and allowing its use in the flexible packaging printing market.

AXR® 7+ features ARMOR's outstanding backcoat technology, ensuring excellent printhead protection, preventing clogging and static build-up.



Evaluation of observed performances of the ribbon with optimised printer, settings and receptors (ARMOR procedure).

470	6	500+	503	6	<b>7+</b>	8	9					
AWR®		AWX®	APR®		AXR®							
WAX		WAX/RESIN			RESIN							
F	L	A	T	H	E	A	D	R	A	N	G	E

All ARMOR product sheets are available on our website [www.armor-group.com](http://www.armor-group.com)

# AXR® 7+

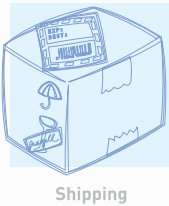
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## EXAMPLES OF APPLICATION FIELDS

The characteristics of AXR® 7+ answer the requirements of the following application fields :



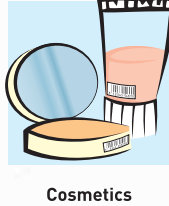
Inventory



Shipping



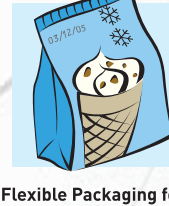
Pharmaceutical



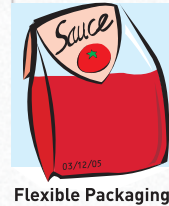
Cosmetics



Flexible Packaging



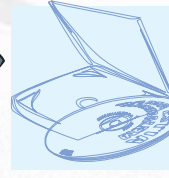
Flexible Packaging for frozen applications



Flexible Packaging for hot processes



Rating plates



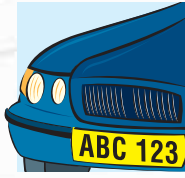
CDs



Retail labeling



Care labels



Signage & Logos



Laboratory



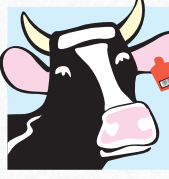
Healthcare



Tags



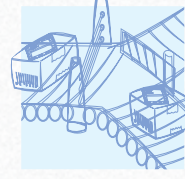
Food contact



Livestock



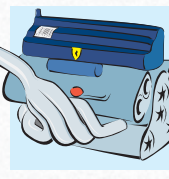
Outdoor applications



Conveyor sorting



Chemical drums

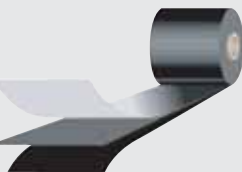


Automotive

If your application is not among the ones above, please contact us.

### RIBBON SPECIFICATIONS

- Backcoating →
- PET film →
- Ink layer(s) →



**Backcoating:**  
Silicon based.  
Friction coefficient:  $K_d < 0.2$

**PET film:**  
Thickness: 4.5  $\mu\text{m}$   
Tearing resistance:  $> 300 \text{ N/mm}^2(\text{MD})$

**Ink:**  
**Resin**  
Melting point: 80°C  
(ARMOR procedure)

**Ribbon:**  
Thickness (black):  $< 9 \mu\text{m}$   
The ribbon is anti static build up treated.  
Storage: 12 months, 5-35°C,  
20-80 % Humidity Rate

### CERTIFICATIONS AND APPROVALS



1935/2004/EC  
Food contact (Europe)



UL Approved - Legibility and durability of the printed label



BS 5609: The printed ink withstands immersion in seawater

**Heavy metals:** EC 98/638.

**RoHs/WEEE:** EC directives 2002/95 and 2002/96, compliance to the limitation of dangerous substances in electric and electronic equipments.

**Ames test:** the ribbon is not mutagenic, does not cause DNA modifications.

**TSCA/CP 65:** the ribbon does not contain any of the substances on these list.

**EC Directives:** 1999/45/EC and 2001/59/EC. The ribbon does not contain any substance classified as dangerous for health. 1935/2004/EC: food contact.

For other standards, please contact us.



ARMOR has the following certifications:  
ISO 9001 : 2000, N°QUAL/2007/28312  
ISO 14001 : 2004, N°ENV/2007/28315  
OHSAS 18001 : 1999, N°SMS/2007/28316

### COLOUR RANGE



black



white



dark blue  
(286 C)



dark red  
(192 C)



light green  
(Green C)

Performances exposed in this sheet are for the black ribbon.